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(74) Agents: **TRIPOLI, Joseph, S. et al.**; Thomson Licensing Inc., 2 Independence Way, Suite 2, Princeton, NJ 08540 (US).

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(71) Applicant (for all designated States except US): **THOMSON LICENSING S.A.** [FR/FR]; 46, Quai A. Le Gallo, F-92100 Boulogne-Billancourt (FR).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **MUTERSPAUGH, Max, Ward** [US/US]; 7353 North Layman Avenue, Indianapolis, IN 46250 (US). **MAYER, Matthew, Thomas** [US/US]; 8262 Forest Lane, Indianapolis, IN 46240 (US).

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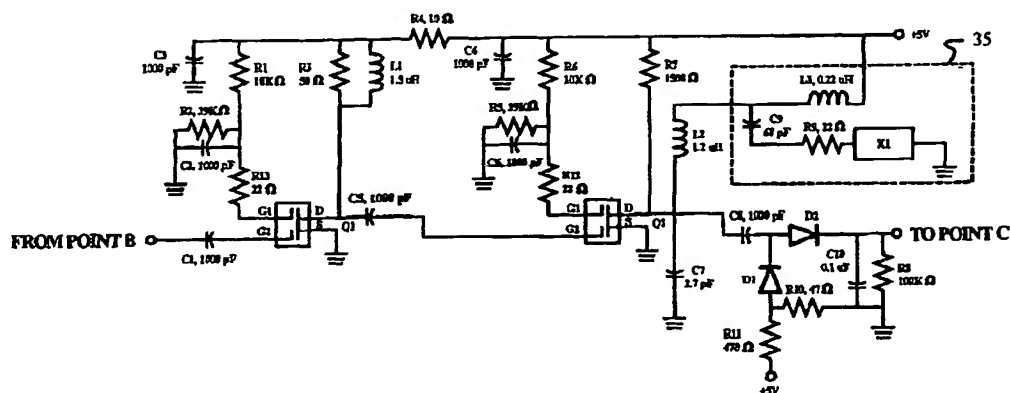
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(54) Title: APPARATUS AND METHOD FOR PROVIDING AUTOMATIC GAIN CONTROL

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(57) Abstract: Signal processing apparatus (100) such as a television signal receiver provides automatic gain control (AGC) in a manner that avoids excessive tuner gain reduction and compensates for interference from both analog and digital s signals. According to an exemplary embodiment, the signal processing apparatus (100) includes a tuner (10) operative to tune an RF signal to generate an 1F signal. A first filter (20) is operative to filter the IF signal to generate a filtered IF signal. An AGC detector (30) is operative to enable generation of an AGC signal for the tuner (10) responsive to the filtered IF signal. The AGC detector (30) includes a second filter (35) operative to attenuate a predetermined carrier frequency.



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